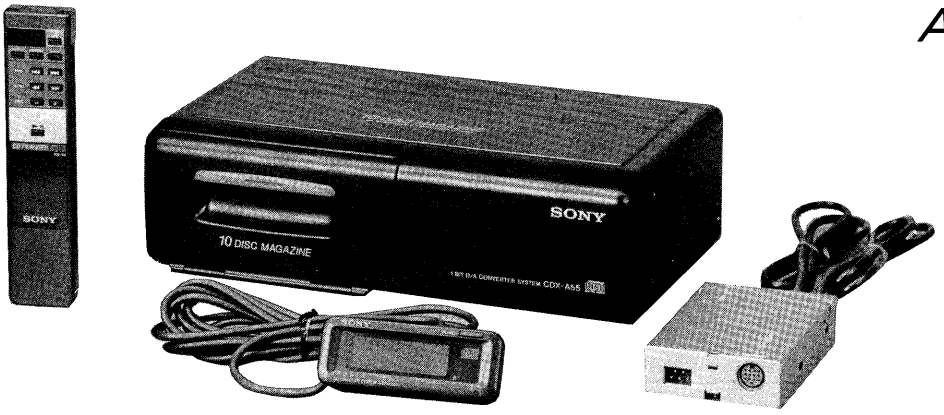
CDX-A55RF

SERVICE MANUAL

US Model
Canadian Model
AEP Model
UK Model
E Model



CDX-A55RF is made up of Compact Disc automatic changer CDX-A55, the remote commander, the display unit and the hideaway unit with a built-in FM stereo RF modulator.
For Compact Disc automatic changer, please refer to CDX-A55 service manual (9-957-134-11) previously issued.

There is only the information of the remote commander, the display unit and the hideaway unit on this service manual.

The parts which differ from CDX-A55 (expect for the remote commander, the display unit and the hideaway unit) are as follows:

*3-378-947-01	(US, AEP, UK, E)...LABEL, MODEL NUMBER
*3-378-949-01	(Canadian)...LABEL, MODEL NUMBER
*3-379-952-01	(Germany)...LABEL, MODEL NUMBER
*3-379-856-01	INDIVIDUAL CARTON
*3-381-098-01	CUSHION (UPPER)
*3-381-099-01	CUSHION (LOWER)
*3-365-669-01	TAPE (MALE)
*3-365-670-01	TAPE (FEMALE)
3-755-253-11	(AEP, UK, E)...MANUAL, INSTRUCTION (ENGLISH, FRENCH, SPANISH, CHINESE)
3-755-253-21	(US, Canadian)...MANUAL, INSTRUCTION (ENGLISH, FRENCH)
3-755-253-41	(AEP, UK)...MANUAL, INSTRUCTION (SWEDISH, DUTCH, ITALIAN, PORTUGUESE)
3-755-253-51	(Germany)...MANUAL, INSTRUCTION (ENGLISH, FRENCH, GERMAN, ITALIAN)
3-755-254-11	(AEP, UK, E)...MANUAL, INSTRUCTION, INSTALL (ENGLISH, FRENCH, SPANISH, CHINESE)
3-755-254-21	(US, Canadian)...MANUAL, INSTRUCTION, INSTALL (ENGLISH, FRENCH)
3-755-254-41	(AEP, UK)...MANUAL, INSTRUCTION, INSTALL (SWEDISH, DUTCH, ITALIAN, PORTUGUESE)
3-755-254-51	(Germany)...MANUAL, INSTRUCTION, INSTALL (ENGLISH, FRENCH, GERMAN, ITALIAN)

COMPACT DISC CHANGER SYSTEM

SONY®

SPECIFICATIONS

CD changer commander (Display unit/Hideaway unit/Remote commander)

Transfer frequency
88.3 MHz, 88.7 MHz

Dimensions
Remote commander:
Approx. 40 × 175 × 18.5 mm ($1^5/_8 \times 7 \times {}^3/_4$ in.) (w/h/d)
Hideaway unit:
Approx. 77 × 27 × 118 mm ($3^1/_8 \times 1^1/_8 \times 4^3/_4$ in.) (w/h/d)
Display unit:
Approx. 100 × 38 × 16 mm ($4 \times 1^1/_2 \times {}^{21}/_{32}$ in.) (w/h/d)

Weight
Remote commander:
Approx. 100 g (4 oz.)
Hideaway unit:
Approx. 380 g (13 oz.)
Display unit:
Approx 120 g ($4^1/_4$ oz.)

Supplied accessories
Disc magazine (1)
Mounting hardware (1 set)
Adhesive tape (1 set)
Connecting cable for the CD changer (1)
Power connecting cord (1)
Dry batteries (size AA/R6) (2)

Design and specifications subject to change without notice.

This section is extracted from instruction manual.

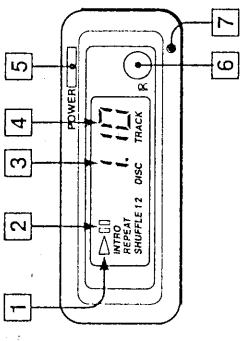
SECTION 1
GENERAL

Location and Function of Controls

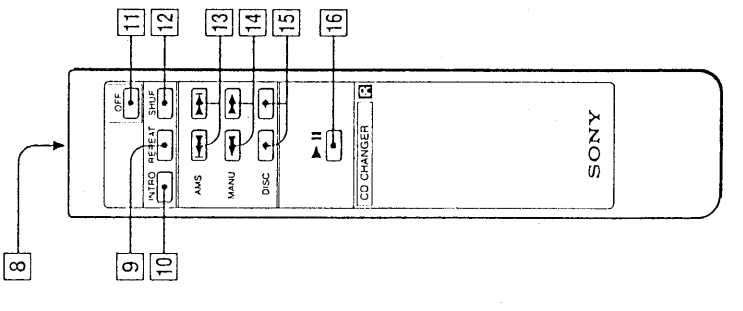
Refer to the pages in ● for details.

1. ▷ (play) indication
2. ▯▯ (pause) indication
3. Disc number indication
4. Track number indication
5. POWER (power on/off) switch
6. Receptor for the remote commander
7. Reset button
8. Signal emitting point
9. REPEAT button ⑨
10. INTRO button ⑨
11. OFF button ⑩
12. SHUF (shuffle) button ⑫
13. AMS ▼▲ buttons ⑭
14. MANU ▼▲ (manual search) buttons ⑭
15. DISC − + (disc select) buttons ⑬
16. ▲II (play/pause) button ⑦ ⑩

Display unit



Remote commander



Installation/ Connections

Instalación/ Conexiones

Installation/ Connexions

安装／线路之连接

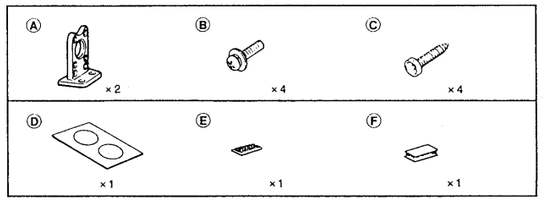
Supplied Mounting Hardware / Matériel de montage fourni / Ferretería de montaje suministrada / 附属安装用道具

The letters in the list are keyed to those in the instructions.

Les lettres de la liste correspondent à celles des instructions.

Las letras de la lista corresponden a las de las instrucciones.

下列零件表里的号码和使用说明书中的号码样。



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Precautions

- Choose the mounting location carefully, observing the followings:
  - —The fuel tank should not be damaged by the tapping screws.
  - —There should be no wire harnesses nor pipelines under the place where you are going to install the unit.
  - —The spare tire, tools or other equipment in or under the trunk should not be interfered with or damaged by the screws or the unit itself.
- Be sure to use only the supplied mounting hardware for a safe and secure installation.

Précautions

- Choisir soigneusement l'emplacement de montage en observant ce qui suit.
  - — Le réservoir d'essence ne doit pas être endommagé par les vis taraudeuses.
  - — Il ne doit pas y avoir de faisceau de fils ou de tuyaux à l'endroit où l'on désire installer l'appareil.
  - — La roue de secours, les outils ou autre équipement dans ou sous le coffre ne doivent pas être gênés ni endommagés par les vis ou l'appareil lui-même.
- S'assurer d'utiliser uniquement le matériel de montage fourni pour une installation correcte et sûre.

Precauciones

- Elija cuidadosamente el lugar de montaje, teniendo en cuenta lo siguiente:
  - — El depósito de combustible no deberá dañarse con los tornillos roscachapa.
  - — No deberá haber mazos de conductores ni tubos debajo del lugar donde vaya a instalar la unidad.
  - — La rueda de repuesto, las herramientas, u otros equipos situados dentro o debajo del portaequipajes no deberán verse interferidos ni dañados por los tornillos ni por la propia unidad.
- Para realizar una instalación segura, emplee solamente la ferretería de montaje suministrada.

使用前须知事项

- 安装以前请参照下列事项，仔细选择安装位置：
  - —不可让自攻螺钉伤及油箱。
  - —唱机不可安装在电线配线或暖气管上面。
  - —唱机安装位置或螺钉等不可妨碍或触及备用轮胎、汽车修理工具或其他汽车零件。
- 为保安全及牢固起见，安装时请使用附属的安装用道具。

Installation/Installation/Instalación/安装

Remote Commander and Display Unit

- Avoid mounting them in the following locations where they may:
  - —hinder normal driving conditions of the driver.
  - —jeopardize the passengers.
  - —be subjected to the hot air from the heater.
  - —be subjected to direct sunlight.
- When installing the system, be sure to check that the whole system can be operated by the remote commander.

Télécommande et dispositif d'affichage

- Eviter de les monter dans des endroits où ils pourraient:
  - —gêner la conduite normale du véhicule,
  - —mettre les passagers en danger,
  - —etre exposés au courant d'air chaud du chauffage,
  - —etre exposés directement au soleil.
- Lors de l'installation de l'appareil, s'assurer qu'il peut fonctionner par télécommande.

Telemando y unidad visualizadora

- Evite montarlos en lugares en los que puedan:
  - —interferir en las operaciones normales del conductor.
  - —molestar a los pasajeros.
  - —estar sometidos al aire cálido del aparato de calefacción.
  - —quedar sometidos a la luz solar directa.
- Cuando realice la instalación, cerciórese de comprobar que el telemando pueda controlar todo el sistema.

遥控器及显示屏

- 请避免把本机放在下列场所使用：
  - —妨碍驾驶的地方
  - —容易让乘客受伤的地方
  - —暖气机前面
  - —受阳光直接照射的地方
- 安装时，请察看该位置遥控器能否自由操纵。

How to Install the CD Changer

When you install the CD changer, be careful not to damage wiring or equipment on the other side.

Installation du changeur de CD

Lors de l'installation du changeur de CD, veiller à ne pas endommager le câblage ou les instruments de l'autre côté.

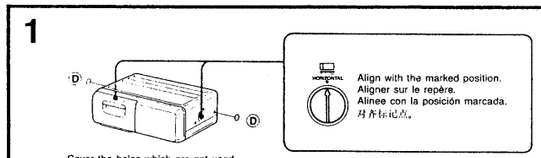
Instalación del cambiador de discos compactos

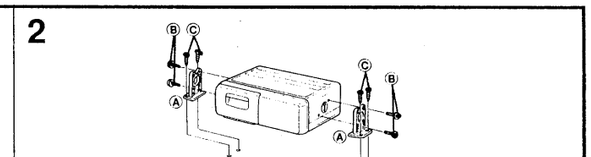
Cuando instale el cambiador de discos compactos, tenga cuidado de no dañar los cables ni los equipos del otro lado.

如何安装

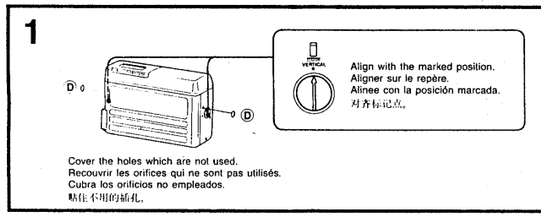
安装本机时，请注意不可伤及安装面底下的电线配线或器件。

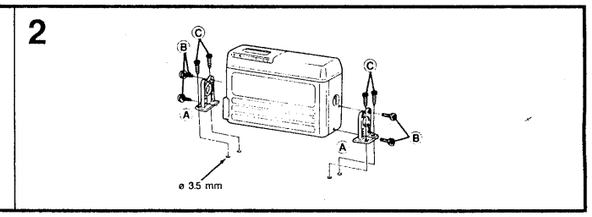
Horizontal installation / Installation de l'appareil à l'horizontale / Instalación horizontal / 水平装法



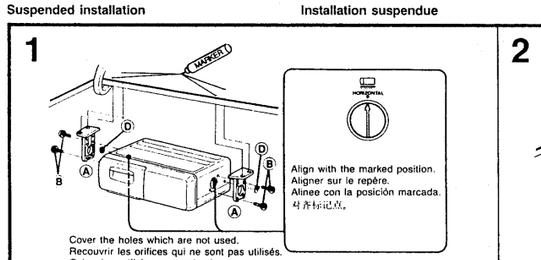


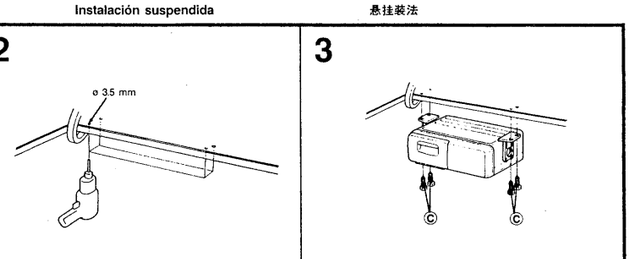
Vertical installation / Installation verticale / Instalación vertical / 垂直装法





Suspended installation / Installation suspendue / Instalación suspendida / 悬挂装法





When the CD changer is to be installed under the rear tray etc. in the trunk room, make sure that the following provisions are made.

- Choose the mounting location carefully so that the CD changer can be installed horizontally.
- Make sure that the CD changer does not hinder the movement of torsion bar spring etc. of the trunk lid.

Caution

Before making holes, make sure that there are not anything on the opposite side of the rear tray.

Si le changeur de CD doit être installé sous la plage arrière dans le coffre, par exemple, prenez d'abord les précautions suivantes.

- Bien choisir l'emplacement pour pouvoir installer le changeur de CD à l'horizontale.
- Vérifier que le changeur de CD ne gêne pas le mouvement du ressort du capot, entre autres.

Précaution

Avant de percer les trous, vérifier que rien ne se trouve de l'autre côté de la plage arrière.

Cuando desee instalar el cambiador de discos compactos debajo de la bandeja trasera, etc., en el portaequipajes, tenga en cuenta lo siguiente:

- Elija cuidadosamente el lugar de montaje de forma que el cambiador de discos compactos pueda instalarse horizontalmente.
- Cerciórese de que el cambiador de discos compactos no impida el movimiento del resorte de la barra de torsión, etc., de la tapa del portaequipajes.

Precaución

Antes de taladrar los orificios, cerciórese de que no haya nada en el lado opuesto de la bandeja trasera.

若要把本机安装在车后行李箱的后支架上等处的话，请注意下列事项：

- 安装时须使本机保持水平状态。
- 不可让本机妨碍了行李箱盖的扭转杆弹簧。

注意

钻开螺丝孔时注意后托盘背面不可放置任何东西。

Installing the Display Unit

Use the supplied velcro tapes and mount it to the location where it will not interfere with your driving.

Installation du dispositif d'affichage

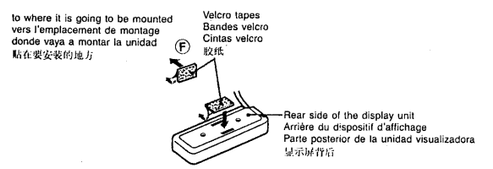
Utiliser les bandes velcro fournies ou le support d'affichage pour installer le dispositif d'affichage dans un endroit qui ne risque pas de gêner la conduite.

Instalación de la unidad visualizadora

Emplee las cintas velcro o el soporte suministrados y monte la unidad en un lugar que no interfiera en la conducción.

显示屏安装法

请使用附属的胶纸，把显示屏安装在不妨碍驾驶的地方。



Installing the Hideaway Unit

Use the supplied velcro tape and attach it to the floor carpet under a seat.

Installation de l'appareil dissimulé

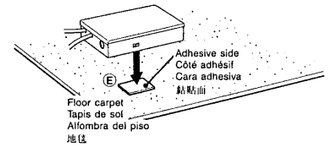
Utiliser la bande velcro fournies et fixer l'appareil sur le tapis de sol sous un siège.

Instalación de la unidad oculta

Emplee la cinta velcro suministradas y fije la unidad a la alfombra del piso debajo de un asiento.

隐蔽器安装法

以附属的胶纸把隐蔽器安装在座位底下的地毯上面。



Connections/Connexions/Conexiones/线路之连接

Caution
Before making connections, disconnect the ground wire terminal of the car battery to avoid short circuits.

Notes
- Be sure to use the **supplied** connecting cable. Using a connecting cable other than supplied one may cause noise.
  For details, refer to the Installation/ Connections manual of each product.
- This system cannot be operated by the remote commander RM-X1, RM-X2 or RM-X2001.

Attention
Avant d'effectuer les connexions, débrancher le fil de masse de la batterie de voiture pour éviter un court-circuit.

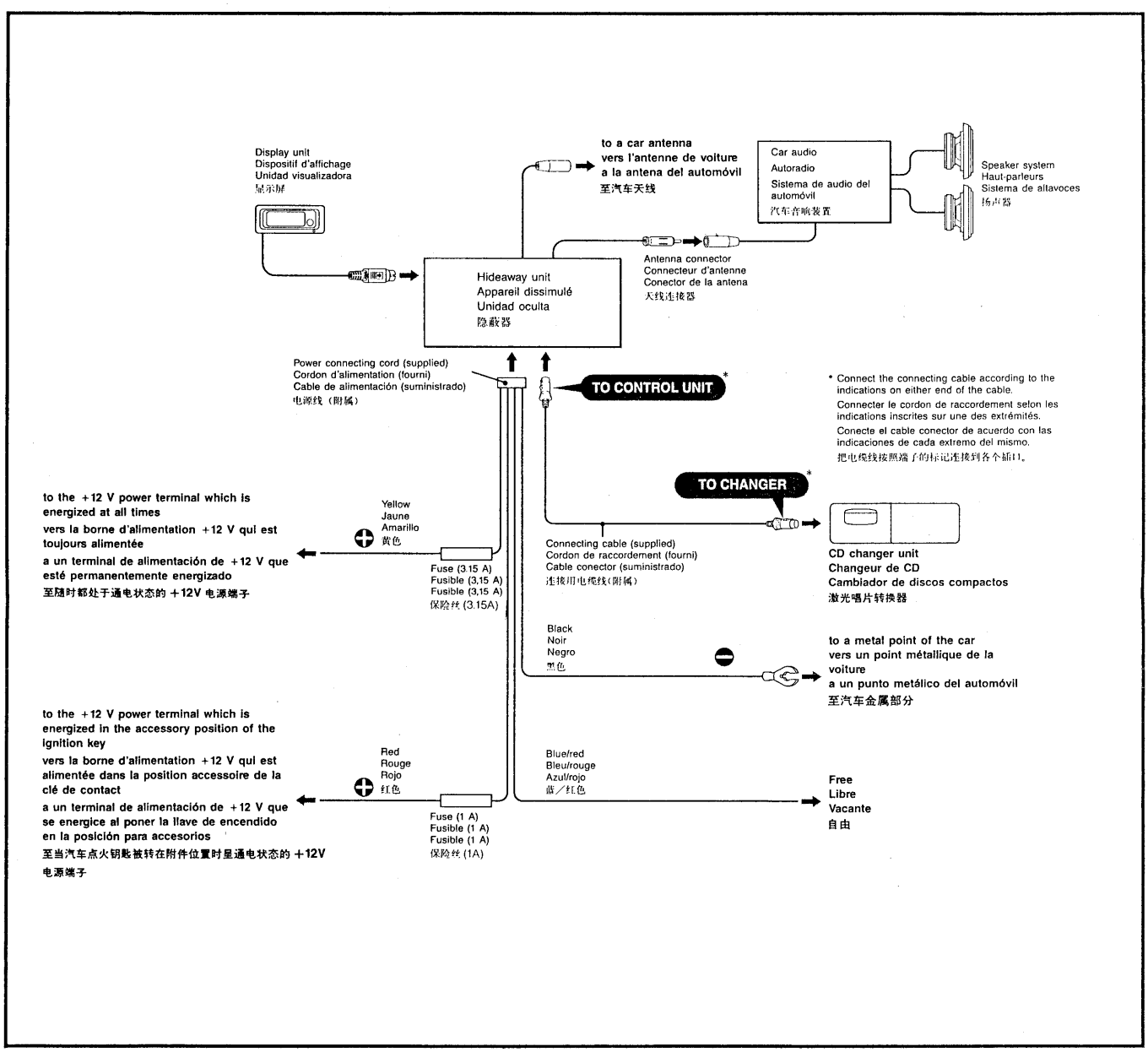
Remarques
- S'assurer d'utiliser le cordon de raccordement **fourni**. D'autres cordons risqueraient de causer des parasites.
  Pour plus de détails, se reporter au mode d'emploi pour l'installation/connexion de chaque produit.
- Cet appareil ne peut pas être contrôlé par les télécommandes RM-X1, RM-X2 ou RM-X2001.

Precaución
Antes de realizar las conexiones, desconecte el conductor de puesta a masa de la batería del automóvil a fin de evitar cortocircuitos.

Notas
- Cerciórese de emplear el cable conector **suministrado**. La utilización de otro cable podría causar ruido. Con respecto a los detalles, consulte el manual de Instalación/Conexiones de cada producto.
- Este sistema no podrá controlarse con los telemandos RM-X1, RM-X2, ni RM-X2001.

注意
进行线路之连接以前，须先拆卸汽车电池的接地端子电线，以免引起短路。

注
- 请使用**附属的**连接用电线。若使用其他电线的话，会造成故障原因。详细请参看各个机件的「安装、线路之连接」说明书。
- 遥控器 RM-X1, RM-X2 或 RM-X2001 不能遥控本机



Installing the System in a Car without Accessory Position

POWER SELECT switch setting

When this system is to be installed in a car with no ACC (accessory) position on the ignition panel, set the POWER SELECT switch on the side of the hideaway unit to the OFF position. After the switch has been set, the power supply to this system will be turned off whenever the OFF button on the remote commander or the POWER switch on the display unit is pressed while the system is operating. However, when you turn off the ignition of your car, be sure to turn off the power supply by pressing either of the above mentioned button and switch in order to conserve the car battery. (If you use this system with the POWER SELECT switch set to the ON position in a car with no accessory position, the OFF button or the POWER switch will not turn off the power supply to the whole system.)
When you change the setting of the POWER SELECT switch, be sure to press the reset button on the display unit with a ball-point pen or a similar object.

Note

When the POWER SELECT switch is set to the OFF position, you will not be able to start disc play with the remote commander while the system is in the off mode, that is to say when there is no display on the display unit.
Press the POWER switch on the display unit before operating the remote commander.

Installation de l'appareil dans une voiture sans position accessoire

Réglage du sélecteur POWER SELECT

Si cet appareil doit être installé dans une voiture dont la clé de contact n'a pas de position ACC (accessoire), régler le sélecteur POWER SELECT situé sur le côté de l'appareil dissimulé sur la position OFF. Avec ce réglage, l'alimentation du système est coupée à chaque fois que la touche OFF de la télécommande ou l'interrupteur POWER du dispositif d'affichage est actionné pendant que l'appareil est en marche.
Cependant, si vous tournez la clé de contact de la voiture, n'oubliez pas de mettre l'appareil hors tension en actionnant une des commandes ci-dessus pour conserver l'énergie de la batterie du véhicule. (Si vous utilisez l'appareil avec le sélecteur POWER SELECT réglé sur la position ON dans une voiture sans position accessoire, la touche OFF ou l'interrupteur POWER ne coupent pas complètement l'alimentation de l'appareil.)
Si vous modifiez le réglage du sélecteur POWER SELECT, n'oubliez pas d'actionner la touche de réinitialisation du dispositif d'affichage à l'aide d'un stylo ou autre objet similaire.

Remarque

Lorsque le sélecteur POWER SELECT est réglé sur la position OFF, vous ne pouvez pas commander la lecture de disque depuis la télécommande tant que le système est hors tension, c'est-à-dire tant que le dispositif d'affichage n'est pas allumé.
Appuyer sur l'interrupteur POWER du dispositif d'affichage avant d'utiliser la télécommande.

Instalación del sistema en un automóvil desprovisto de posición para accesorios

Ajuste del POWER SELECT

Cuando haya instalado este sistema en un automóvil desprovisto de posición para accesorios (ACC) en la llave de encendido, ponga el selector POWER SELECT del panel lateral de la unidad oculta en OFF. Después de haber ajustado el selector, la alimentación del sistema se desconectará cuando presione la tecla OFF del telemando o el interruptor POWER de la unidad visualizadora mientras el sistema se encuentre en funcionamiento. Sin embargo, antes de girar la llave de encendido de su automóvil, cerciórese de desconectar la alimentación presionando la tecla y el interruptor mencionados a fin de conservar la energía de la batería. (Si empleas este sistema con el selector POWER SELECT en ON en un automóvil sin posición para accesorios, la tecla OFF y el interruptor POWER no desconectarían la alimentación del sistema.)
Cuando cambie la posición del selector POWER SELECT, cerciórese de presionar el botón de reposición de la unidad visualizadora con un bolígrafo u otro objeto similar.

Nota

Cuando haya puesto el selector POWER SELECT en la posición OFF, no podrá iniciar la reproducción de un disco compacto con el telemando mientras la alimentación del sistema esté desconectada, es decir cuando no haya ninguna indicación en la unidad visualizadora.
Antes de emplear el telemando, presione el interruptor POWER de la unidad visualizadora.

要把本机安装在没具辅助位置的汽车里时

电源选择开关之设定

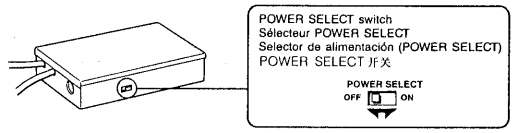
若要把本机安装在没具"ACC（附件）"位置的汽车点火钥匙之汽车里时，请把隐蔽器旁边的POWER SELECT开关设定在"OFF"。则在操作本机时，若按压遥控器的OFF键，或显示器的POWER开关，本机电源便被切断。但是，当您把汽车点火钥匙转在"OFF"位置时，为了节省电池电力，上面提及的按键或开关也必须切断电源。（在点火钥匙没具辅助位置的汽车里使用时，若POWER SELECT开关被设定在"ON"，则即使按压OFF键及POWER开关也不会停止对本机的电源供给。）

每一次改变POWER SELECT开关的设定位置时，一定要以圆珠笔等按压显示屏的重调键才行。

注

当显示屏上没任何指示出现时，亦即显示屏处于断电状态时，若POWER SELECT开关被设定在"OFF"位置的话，便不能以遥控器操纵激光唱机。

因此要以遥控器操纵时，须先按压显示屏的POWER开关。



When There is Too Much Interference Noise During Disc Play

Frequency select switch setting

With this switch you can select the frequency of the modulated RF signal from the hideaway unit to be either 88.3 MHz or 88.7 MHz. Set the switch located on the side of the hideaway unit to the position with less noise being picked up by your car audio/radio. Adjust the FM tuner of your car audio/radio so that it can receive the RF signal transmitted from the hideaway unit.

S'il y a trop d'interférences pendant la lecture d'un disque

Réglage du sélecteur de fréquence

Ce sélecteur vous permet de choisir la fréquence du signal HF modulé depuis l'appareil dissimulé, entre 88,3 MHz et 88,7 MHz. Régler le sélecteur situé sur le côté de l'appareil dissimulé sur la position réduisant le plus les parasites captés par l'autoradio. Accorder le tuner FM de l'autoradio sur le signal HF transmis par l'appareil dissimulé.

Cuando haya demasiadas interferencias durante la reproducción de un disco compacto

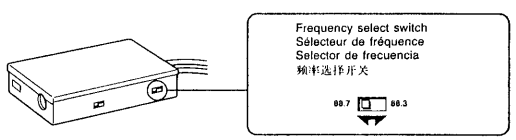
Selector de frecuencia

Con este selector podrá elegir la frecuencia de la señal de RF modulada procedente de la unidad oculta entre 88,3 MHz t 88,7 MHz. Ponga el selector del panel lateral de la unidad oculta en la posición en la que se oiga menos ruido a través del sistema de audio de su automóvil. Ajuste el sistema de audio de su automóvil de forma que pueda recibir la señal de RF transmitida desde la unidad de RF.

播放激光唱机时若噪音太多

频率选择开关之设定

以此开关，您可把由隐蔽器而来的调幅RF信号设定在"88.3 MHz"或"88.7 MHz"之处。把隐蔽器旁边的频率选择开关调整在最不受汽车音响装置或收音机干扰的位置。然后调整汽车音响装置或收音机里的FM调谐机，以使调谐机能接收得到由隐蔽器而来的RF射频信号。



Selecting the Input Level

LEVEL (input level) select switch setting

With this switch you can select the input level of the RF signal to your car audio/radio from the CD changer unit. Set the LEVEL switch on the side of the hideaway unit to the suitable position: normally set it to the "NORMAL" position and when the input level is desired to be lower, set it to the "LOW" position.

Sélection du niveau d'entrée

Réglage du sélecteur du niveau d'entrée

Ce sélecteur vous permet de choisir le niveau d'entrée du signal HF de votre autoradio à partir du changeur de CD. Régler le sélecteur LEVEL situé sur le côté de l'appareil dissimulé sur la position adéquate: en principe, le positionner sur NORMAL; pour choisir un niveau d'entrée plus bas, le positionner sur LOW.

Selección del nivel de entrada

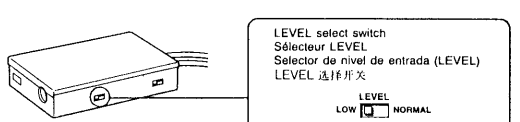
Ajuste del selector del nivel de entrada (LEVEL)

Con este selector podrá elegir el nivel de entrada de la señal de RF procedente del cambiador de discos compactos. Ponga el selector LEVEL del panel lateral de la unidad oculta en la posición adecuada: normalmente déjelo en "NORMAL", pero si desea disminuir el nivel de la señal, póngalo en "LOW".

输入音平之选择

LEVEL（输入音平）选择开关之设定

以此开关您可选择从唱片转换器输往汽车音响装置的RF信号之输入音平。隐蔽器侧面的LEVEL开关，平常请设定在"NORMAL"，但若要使输入音平降低时，则设定在"LOW"之处。



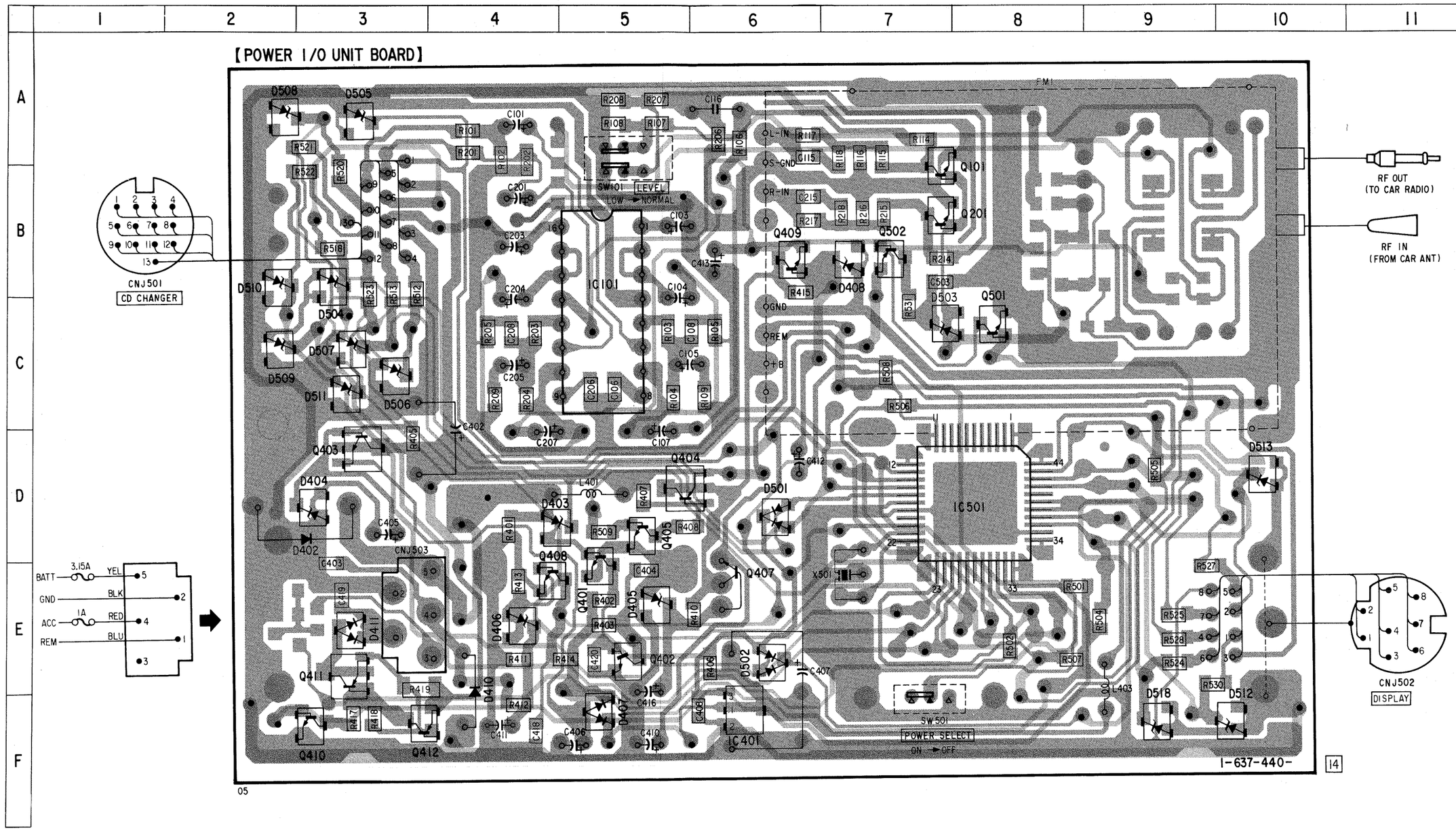
SECTION 2
DIAGRAMS

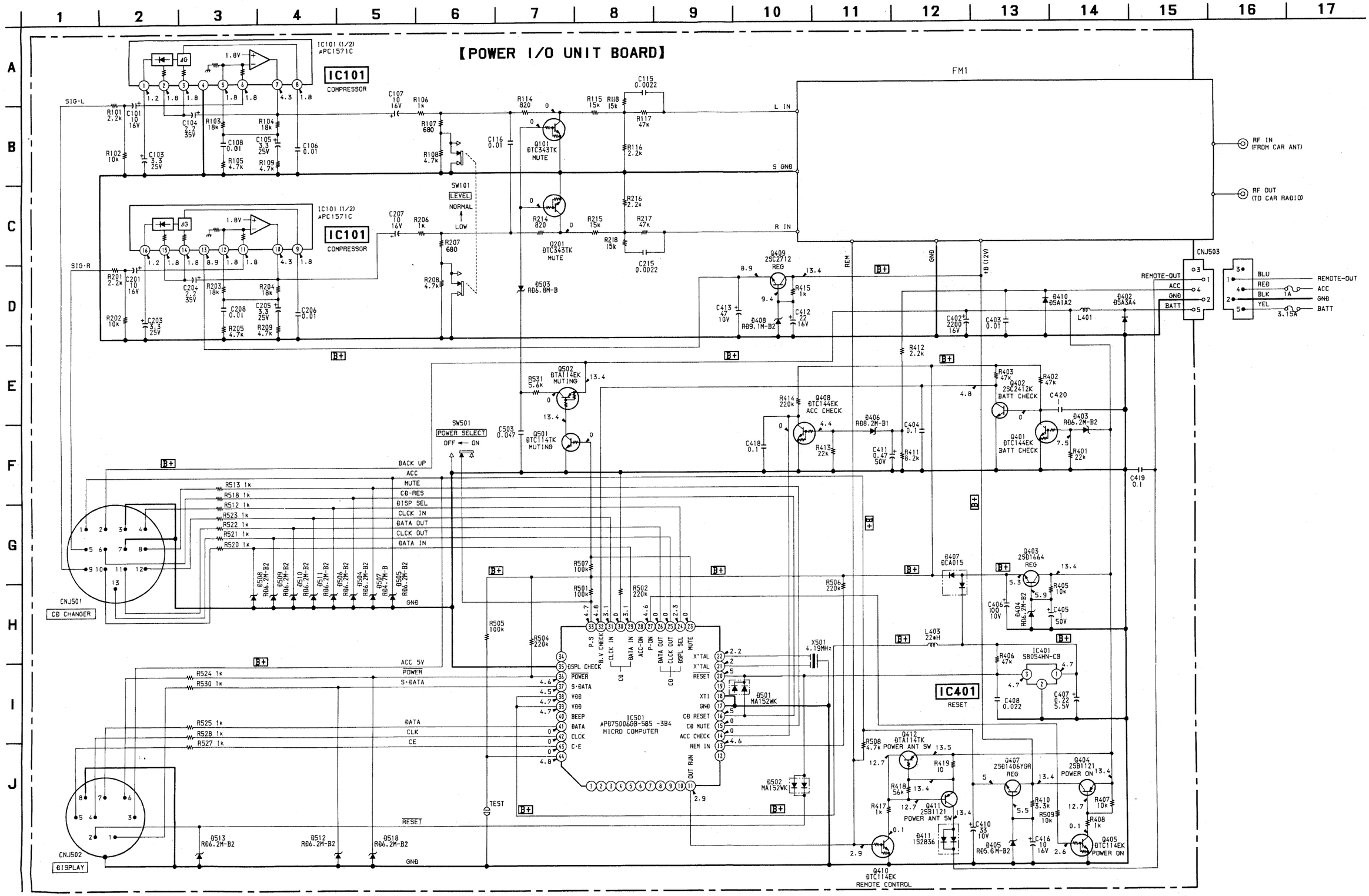
2-1. HIDEAWAY UNIT PRINTED WIRING BOARD

• See page 11 for Notes and Semiconductor Lead Layouts.

• **Semiconductor Location**

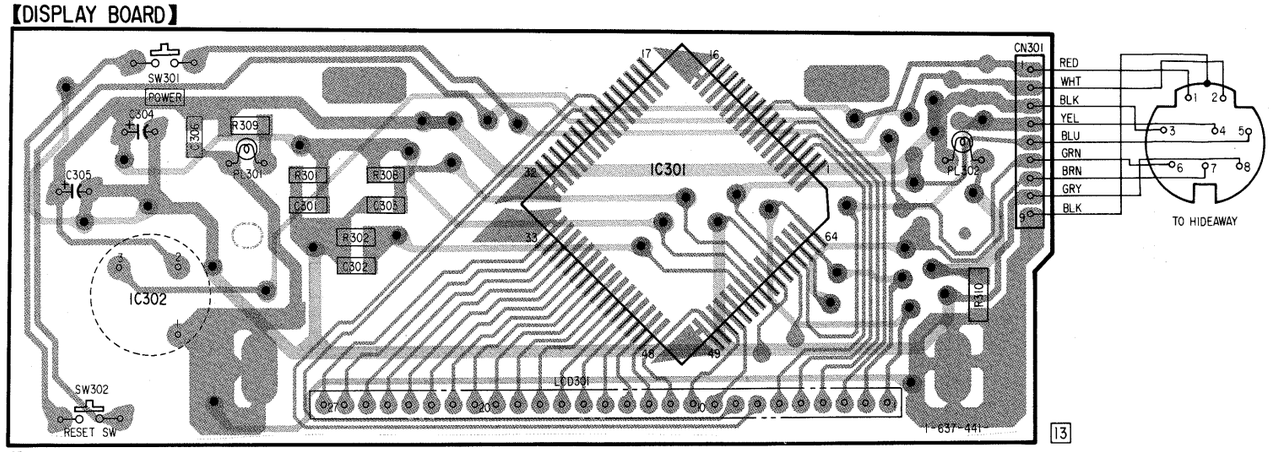
Ref. No.	Location
D402	D-3
D403	D-4
D404	D-3
D405	E-5
D406	E-4
D407	F-5
D408	B-7
D410	E-4
D411	E-3
D501	D-6
D502	E-6
D503	C-7
D504	B-3
D505	A-3
D506	C-3
D507	C-3
D508	A-2
D509	C-2
D510	B-2
D511	C-3
D512	F-10
D513	D-10
D518	F-9
IC101	C-5
IC401	F-6
IC501	D-8
Q101	A-7
Q201	B-7
Q401	E-5
Q402	E-5
Q403	D-3
Q404	D-5
Q405	D-5
Q407	E-6
Q408	E-4
Q409	B-6
Q410	F-3
Q411	E-3
Q412	F-3
Q501	C-8
Q502	B-7



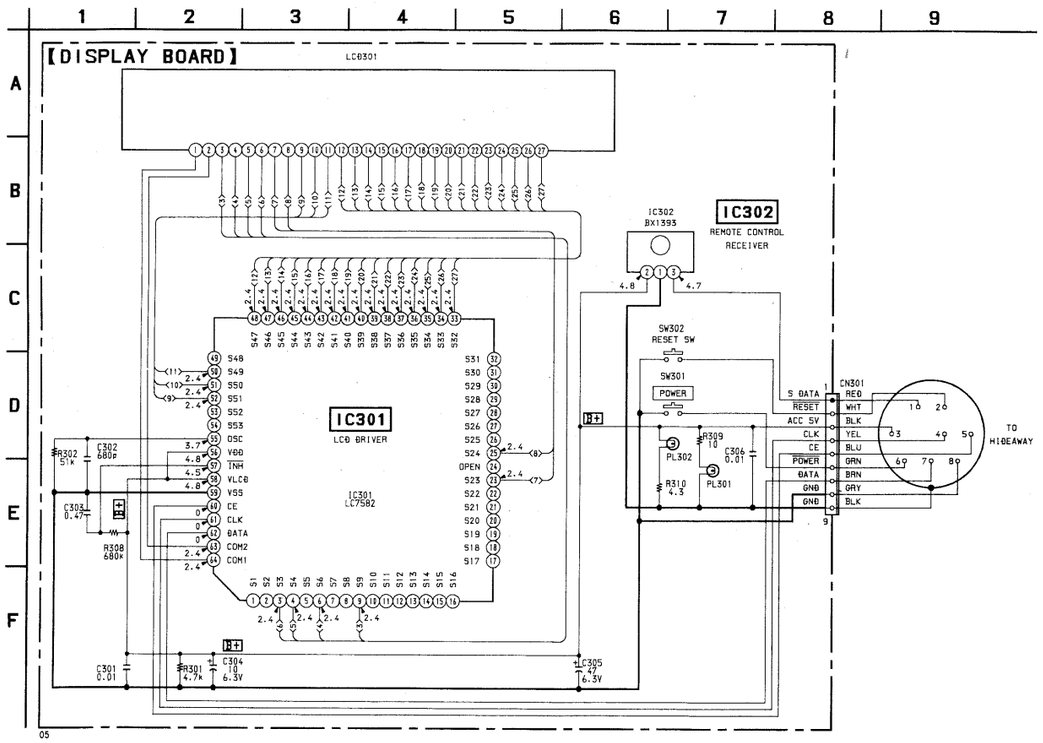

【POWER I/O UNIT BOARD】
IC101
COMPRESSOR
IC101 (1/2) μPC1571C
SW101 LEVEL NORMAL LOW
SW501 POWER SELECT OFF ← ON
IC1501 μPD75006GB-585 -3B4 MICRO COMPUTER
IC401 S8054HN-CB RESET
FM1
L IN
R IN
S GND
RF IN (FROM CAR ANT)
RF OUT (TO CAR RADIO)
CNJ503
REMOTE-OUT
ACC
GND
BATT
BLU
RED
BLK
YEL
3.15A
CNJ501 CD CHANGER
CNJ502 DISPLAY
BACK UP
ACC
MUTE
CD-RES
DISP SEL
CLCK IN
DATA OUT
CLCK OUT
DATA IN
ACC 5V
POWER
S-DATA
DATA
CLK
CE
RESET
TEST
GND
B+
REM
+B (12V)
Q101 DTC343TK MUTE
Q201 DTC343TK MUTE
Q409 2SC2712 REG
Q502 DTA114EK MUTING
Q501 DTC114TK MUTING
Q408 DTC144EK ACC CHECK
Q402 2SC2412K BATT CHECK
Q401 DTC144EK BATT CHECK
Q403 2SD1664 REG
Q407 2SD1406YGR REG
Q412 DTA114TK POWER ANT SW
Q411 2SB1121 POWER ANT SW
Q404 2SB1121 POWER ON
Q405 DTC114EK POWER ON
Q410 DTC114EK REMOTE CONTROL
D503 RD6.8M-B
D408 RD9.1M-B2
D410 DSA1A2
D402 DSA3A4
D406 RD8.2M-B1
D403 RD6.2M-B2
D407 DCA015
D404 RD6.2M-B2
D405 RD5.6M-B2
D501 MA152WK
D502 MA152WK
D411 1S2836
D508 RD6.2M-B2
D509 RD6.2M-B2
D510 RD6.2M-B2
D511 RD6.2M-B2
D504 RD6.2M-B2
D506 RD6.2M-B2
D507 RD4.7M-B
D505 RD6.2M-B2
D513 RD6.2M-B2
D512 RD6.2M-B2
D518 RD6.2M-B2
L401
L403 22μH
X501 4.19MHz

2-3. DISPLAY UNIT PRINTED WIRING BOARD AND SCHEMATIC DIAGRAM

【DISPLAY BOARD】



05



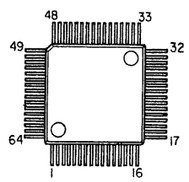
05

Note:

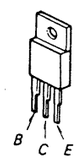
- ▒▒▒ : Pattern on the side which is seen.
- ▒▒▒ : Pattern of the rear side.

- **Semiconductor Lead Layouts**

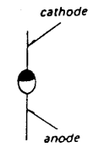
LC7582



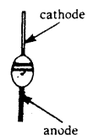
2SD1406-YGR



DSA1A2



DSA3A4



Note:

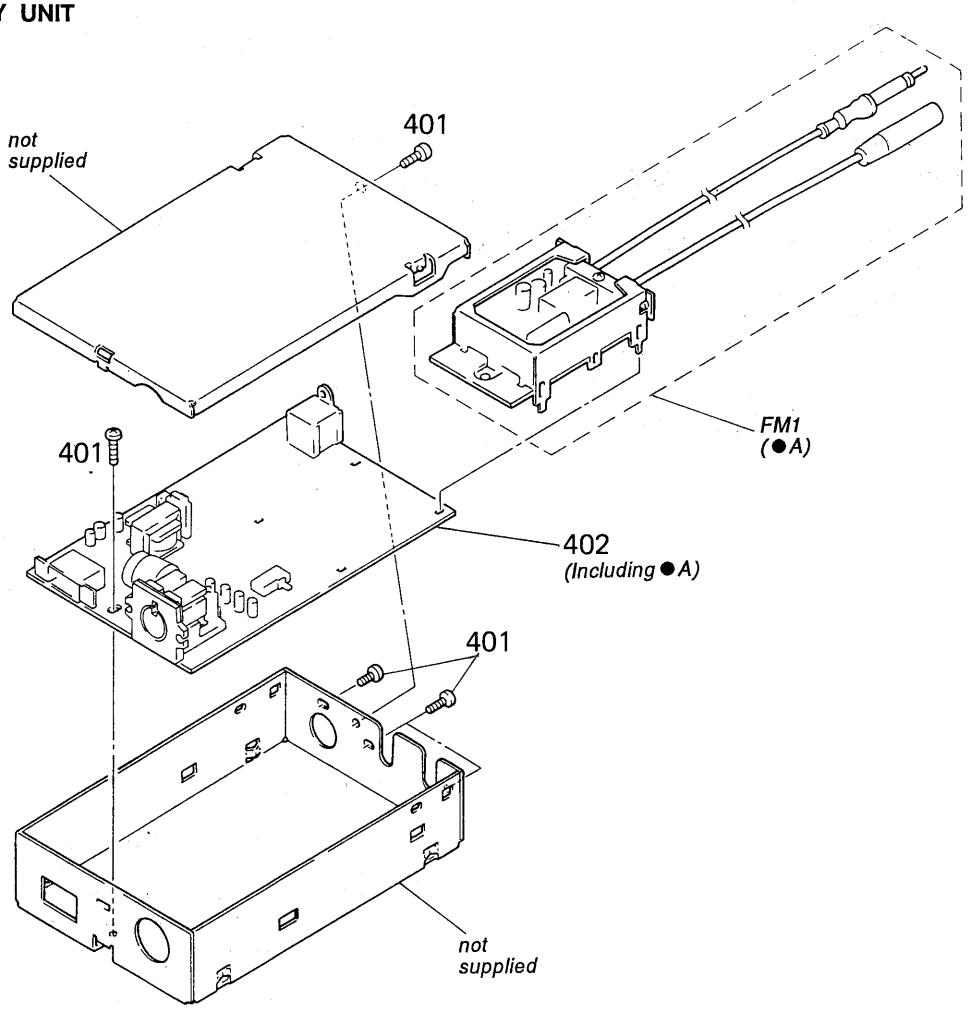
- All capacitors are in μF unless otherwise noted. pF: μμF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼ W or less unless otherwise specified.
- B + : B + Line.
- ▭ : panel designation.
- Power voltage is dc 14.4 V and fed with regulated dc power supply from CNJ503.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- Voltages are taken with a VOM (10 MΩ/V).
  Voltage variations may be noted due to normal production tolerances.

SECTION 3
EXPLODED VIEWS

NOTE:

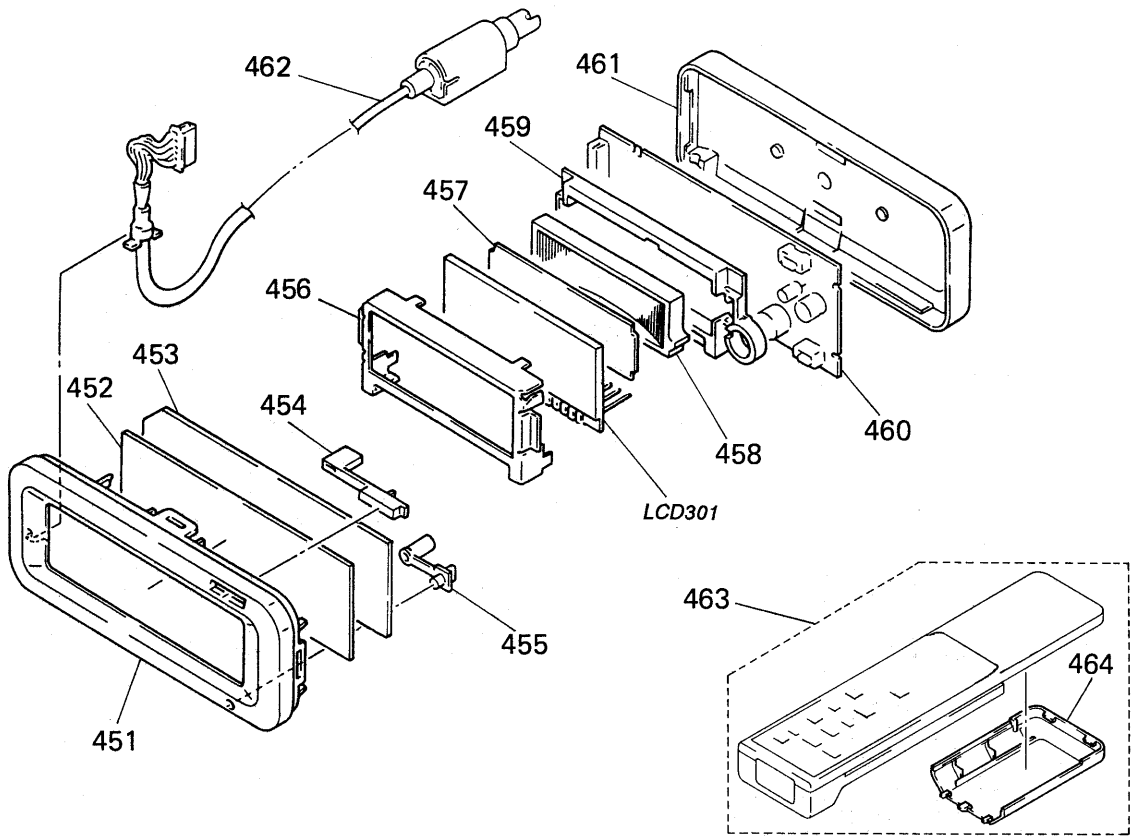
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list is given in the last of this parts list.

(1) HIDEAWAY UNIT



Ref. No.	Part No.	Description	Remark
401	7-682-547-04	SCREW +PTT 3X6 (S)	
* 402	A-3295-032-A	I/O BOARD, COMPLETE	
FM1	1-466-450-11	MODULATOR, RF	

(2) DISPLAY UNIT AND REMOTE COMMANDER



Ref. No.	Part No.	Description	Remark
* 451	3-364-803-31	CASE (FRONT)	
452	3-364-805-01	PLATE, TRANSPARENT	
* 453	3-370-590-01	PLATE, LIGHT INTERCEPTION	
454	3-364-806-01	BUTTON (POWER)	
455	3-364-807-01	BUTTON (RESET)	
* 456	3-364-808-01	RETAINER (LCD)	
* 457	3-364-811 01	SHEET (DIFFUSION)	
* 458	3-364-809-01	PLATE, LIGHT GUIDE	

Ref. No.	Part No.	Description	Remark
* 459	3-364-810-01	HOLDER (LCD)	
* 460	1-637-441-41	DISPLAY BOARD	
461	3-364-804-01	CASE (REAR)	
462	1-590-279-11	CORD (WITH CONNECTOR)	
463	1-693-115-11	REMOTE COMMANDER	
464	2-181-754-01	LID, BATTERY CASE	
LCD301	1-809-238-11	DISPLAY PANEL, LIQUID CRYSTAL	

SECTION 4
ELECTRICAL PARTS LIST

DISPLAY | I/O

NOTE:
- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms.
  METAL:Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F:nonflammable
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u:μ, for example:
  uA..: μA.. uPA..: μPA..
  uPB..: μPB.. uPC..: μPC.. uPD..: μPD..
- CAPACITORS
  uF: μF
- COILS
  uH: μH

When indicating parts by reference number, please include the board.

Ref.No.	Part No.	Description			Remark
	1-637-441-11	DISPLAY BOARD			
		**********			
*	3-364-808-01	RETAINER (LCD)			
*	3-364-809-01	PLATE, LIGHT GUIDE			
*	3-364-810-01	HOLDER (LCD)			
*	3-364-811-01	SHEET (DIFFUSION)			
		< CAPACITOR >			
C301	1-163-031-11	CERAMIC CHIP	0.01uF		50V
C302	1-163-007-11	CERAMIC CHIP	680PF	10%	50V
C303	1-164-005-11	CERAMIC CHIP	0.47uF		25V
C304	1-126-157-11	ELECT	10uF	20%	16V
C305	1-126-154-11	ELECT	47uF	20%	6.3V
C306	1-163-031-11	CERAMIC CHIP	0.01uF		50V
		< CONNECTOR >			
* CNP301	1-566-764-11	PIN, CONNECTOR (PC BOARD) 9P			
		< IC >			
IC301	8-759-821-44	IC LC-7582			
IC302	8-749-900-36	IC BX1393			
		< LIQUID CRYSTAL DISPLAY >			
LCD301	1-809-238-11	DISPLAY PANEL, LIQUID CRYSTAL			
		< PILOT LAMP >			
PL301	1-518-646-11	LAMP, PILOT			
PL302	1-518-646-11	LAMP, PILOT			
		< RESISTOR >			
R301	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R302	1-216-090-00	METAL CHIP	51K	5%	1/10W
R308	1-216-117-00	METAL CHIP	680K	5%	1/10W
R309	1-216-150-00	METAL GLAZE	10	5%	1/8W
R310	1-216-141-00	METAL GLAZE	4.3	5%	1/8W

Ref.No.	Part No.	Description			Remark
		< SWITCH >			
SW301	1-572-648-11	SWITCH, TACT (POWER)			
SW302	1-572-648-11	SWITCH, TACT (RESET)			
**********					
*	A-3295-032-A	I/O BOARD, COMPLETE			
		**********			
*	1-637-440-11	POWER I/O UNIT BOARD			
		< IC >			
IC501	8-759-076-17	IC UPD75006GB-585-3B4			
		< CAPACITOR >			
C101	1-126-282-11	ELECT	10uF	20%	16V
C103	1-126-303-11	ELECT	3.3uF	20%	25V
C104	1-124-257-00	ELECT	2.2uF	20%	50V
C105	1-126-303-11	ELECT	3.3uF	20%	25V
C106	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C107	1-126-282-11	ELECT	10uF	20%	16V
C108	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C115	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	100V
C116	1-130-483-00	MYLAR	0.01uF	5%	50V
C201	1-126-282-11	ELECT	10uF	20%	16V
C203	1-126-303-11	ELECT	3.3uF	20%	25V
C204	1-124-257-00	ELECT	2.2uF	20%	50V
C205	1-126-303-11	ELECT	3.3uF	20%	25V
C206	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C207	1-126-282-11	ELECT	10uF	20%	16V
C208	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C215	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	100V
C402	1-124-343-00	ELECT	2200uF	20%	16V
C403	1-163-031-11	CERAMIC CHIP	0.01uF		50V
C404	1-163-038-00	CERAMIC CHIP	0.1uF		25V

I/O

Ref. No.	Part No.	Description			Remark
C405	1-126-160-11	ELECT	1uF	20%	50V
C406	1-124-443-00	ELECT	100uF	20%	10V
C407	1-125-486-11	DOUBLE LAYERS	0.22F		5.5V
C408	1-163-033-00	CERAMIC CHIP	0.022uF		50V
C410	1-124-229-00	ELECT	33uF	20%	10V
C411	1-124-465-00	ELECT	0.47uF	20%	50V
C412	1-124-234-00	ELECT	22uF	20%	16V
C413	1-124-126-00	ELECT	47uF	20%	10V
C416	1-126-282-11	ELECT	10uF	20%	16V
C418	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C419	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C420	1-164-346-11	CERAMIC CHIP	1uF		16V
C503	1-163-809-11	CERAMIC CHIP	0.047uF	10%	25V
		< JACK >			
CNJ501	1-569-184-21	SOCKET, CONNECTOR 13P			
CNJ502	1-580-489-11	SOCKET, CONNECTOR 8P			
CNJ503	1-569-216-11	CONNECTOR			
		< DIODE >			
D402	8-719-945-59	DIODE	DSA3A4		
D403	8-719-105-XX	DIODE	RD6.2M-B1		
D404	8-719-105-XX	DIODE	RD6.2M-B1		
D405	8-719-105-91	DIODE	RD5.6M-B2		
D406	8-719-106-31	DIODE	RD8.2M-B1		
D407	8-719-104-34	DIODE	1S2836		
D408	8-719-106-44	DIODE	RD9.1M-B2		
D410	8-719-928-26	DIODE	DSA1A2		
D411	8-719-104-34	DIODE	1S2836		
D501	8-719-400-18	DIODE	MA152WK		
D502	8-719-400-18	DIODE	MA152WK		
D503	8-719-157-36	DIODE	RD6.8M-B		
D504	8-719-106-08	DIODE	RD6.2M-B2		
D505	8-719-106-08	DIODE	RD6.2M-B2		
D506	8-719-106-08	DIODE	RD6.2M-B2		
D507	8-719-157-23	DIODE	RD4.7M-B		
D508	8-719-106-08	DIODE	RD6.2M-B2		
D509	8-719-106-08	DIODE	RD6.2M-B2		
D510	8-719-106-08	DIODE	RD6.2M-B2		
D511	8-719-106-08	DIODE	RD6.2M-B2		
D512	8-719-106-08	DIODE	RD6.2M-B2		
D513	8-719-106-08	DIODE	RD6.2M-B2		
D518	8-719-106-08	DIODE	RD6.2M-B2		
		< MODULATOR >			
FM1	1-466-450-11	MODULATOR, RF			

Ref. No.	Part No.	Description			Remark
		< IC >			
IC101	8-759-100-08	IC	uPC1571C		
IC401	8-759-940-45	IC	S-8054HN-CB		
		< COIL >			
L401	1-421-359-00	COIL, CHOKE			
L403	1-410-973-11	INDUCTOR 22uH			
		< TRANSISTOR >			
Q101	8-729-920-31	TRANSISTOR	DTC343TK		
Q201	8-729-920-31	TRANSISTOR	DTC343TK		
Q401	8-729-805-45	TRANSISTOR	2SC3395		
Q402	8-729-230-49	TRANSISTOR	2SC2712-YG		
Q403	8-729-920-85	TRANSISTOR	2SD1664-QR		
Q404	8-729-805-25	TRANSISTOR	2SB1121		
Q405	8-729-805-41	TRANSISTOR	2SC3398		
Q407	8-729-231-60	TRANSISTOR	2SD1406-YGR		
Q408	8-729-805-45	TRANSISTOR	2SC3395		
Q409	8-729-230-49	TRANSISTOR	2SC2712-YG		
Q410	8-729-805-41	TRANSISTOR	2SC3398		
Q411	8-729-805-25	TRANSISTOR	2SB1121		
Q501	8-729-805-42	TRANSISTOR	2SC3859		
Q502	8-729-805-65	TRANSISTOR	2SA1344		
Q412	8-729-900-51	TRANSISTOR	DTA114TK		
		< RESISTOR >			
R101	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R102	1-216-073-00	METAL CHIP	10K	5%	1/10W
R103	1-216-079-00	METAL CHIP	18K	5%	1/10W
R104	1-216-079-00	METAL CHIP	18K	5%	1/10W
R105	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R106	1-216-049-00	METAL CHIP	1K	5%	1/10W
R107	1-216-045-00	METAL CHIP	680	5%	1/10W
R108	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R109	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R114	1-216-047-00	METAL CHIP	820	5%	1/10W
R115	1-216-077-00	METAL CHIP	15K	5%	1/10W
R116	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R117	1-216-089-00	METAL CHIP	47K	5%	1/10W
R118	1-216-077-00	METAL CHIP	15K	5%	1/10W
R201	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R202	1-216-073-00	METAL CHIP	10K	5%	1/10W
R203	1-216-079-00	METAL CHIP	18K	5%	1/10W
R204	1-216-079-00	METAL CHIP	18K	5%	1/10W
R205	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R206	1-216-049-00	METAL CHIP	1K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R207	1-216-045-00	METAL CHIP	680	5%	1/10W
R208	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R209	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R214	1-216-047-00	METAL CHIP	820	5%	1/10W
R215	1-216-077-00	METAL CHIP	15K	5%	1/10W
R216	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R217	1-216-089-00	METAL CHIP	47K	5%	1/10W
R218	1-216-077-00	METAL CHIP	15K	5%	1/10W
R401	1-216-081-00	METAL CHIP	22K	5%	1/10W
R402	1-216-089-00	METAL CHIP	47K	5%	1/10W
R403	1-216-089-00	METAL CHIP	47K	5%	1/10W
R405	1-216-073-00	METAL CHIP	10K	5%	1/10W
R406	1-216-089-00	METAL CHIP	47K	5%	1/10W
R407	1-216-073-00	METAL CHIP	10K	5%	1/10W
R408	1-216-049-00	METAL CHIP	1K	5%	1/10W
R410	1-216-061-00	METAL CHIP	3.3K	5%	1/10W
R411	1-216-081-00	METAL CHIP	22K	5%	1/10W
R412	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R413	1-216-081-00	METAL CHIP	22K	5%	1/10W
R414	1-216-105-00	METAL CHIP	220K	5%	1/10W
R415	1-216-049-00	METAL CHIP	1K	5%	1/10W
R417	1-216-049-00	METAL CHIP	1K	5%	1/10W
R418	1-216-091-00	METAL CHIP	56K	5%	1/10W
R419	1-216-150-00	METAL GLAZE	10	5%	1/8W
R501	1-216-097-00	METAL CHIP	100K	5%	1/10W
R502	1-216-105-00	METAL CHIP	220K	5%	1/10W
R504	1-216-105-00	METAL CHIP	220K	5%	1/10W
R505	1-216-097-00	METAL CHIP	100K	5%	1/10W
R506	1-216-105-00	METAL CHIP	220K	5%	1/10W
R507	1-216-097-00	METAL CHIP	100K	5%	1/10W
R508	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R509	1-216-073-00	METAL CHIP	10K	5%	1/10W
R512	1-216-049-00	METAL CHIP	1K	5%	1/10W
R513	1-216-049-00	METAL CHIP	1K	5%	1/10W
R518	1-216-049-00	METAL CHIP	1K	5%	1/10W
R520	1-216-049-00	METAL CHIP	1K	5%	1/10W
R521	1-216-049-00	METAL CHIP	1K	5%	1/10W
R522	1-216-049-00	METAL CHIP	1K	5%	1/10W
R523	1-216-049-00	METAL CHIP	1K	5%	1/10W
R524	1-216-049-00	METAL CHIP	1K	5%	1/10W
R525	1-216-049-00	METAL CHIP	1K	5%	1/10W
R527	1-216-049-00	METAL CHIP	1K	5%	1/10W
R528	1-216-049-00	METAL CHIP	1K	5%	1/10W
R530	1-216-049-00	METAL CHIP	1K	5%	1/10W
R531	1-216-067-00	METAL CHIP	5.6K	5%	1/10W

< SWITCH >

SW101	1-571-098-11	SWITCH, SLIDE (LEVEL)
SW501	1-571-303-11	SWITCH, SLIDE (POWER SELECT)

Ref. No.	Part No.	Description	Remark

< VIBRATOR >

X501	1-567-775-11	VIBRATOR, CERAMIC 4.19MHz

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MISCELLANEOUS

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462	1-590-279-11	CORD (WITH CONNECTOR)
463	1-693-115-11	REMOTE COMMANDER

9-957-190-11

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